

CTEN Exchange Policies and Procedures



Subject: Minimum Dataset for Directory Services	
Status: Approved by CIC	Policy: EPP-6.1
Effective: 1 January 2016	Version: 1.0

I. Purpose

This document defines the minimum dataset that must be maintained by all Participants in the California Trusted Exchange Network (CTEN) that offer local Directory Services. Provisions for this requirement can be found in CTEN Exchange Policies and Procedure EPP-6, Section III.B.2.

II. Applicability of Policy

A. Participants in the California Trusted Exchange Network

This policy applies to all Participants in the California Trusted Exchange Network (CTEN) that offer local Directory Services and as part of a federated model for provider directories.

III. Policy

A. Obligations of the Participant as Operator of a Local Directory Service

1. The Participant shall maintain the following minimum dataset within its local Directory Service.

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Object	Attribute	Multiplicity	Optionality	Guidance
inetOrgPerson	uid	single-valued	required	Unique RDN for individual, required even if not implemented via LDAP
HCPProfessional	hcIdentifier	multi-valued	required if known	Must be an individual NPI ¹
inetOrgPerson	displayName	single-valued	recommended	Full name as it is to be displayed ²
inetOrgPerson	givenName	multi-valued	required	First name; multivalued so may be variants such as Robert and Bob
inetOrgPerson	initials	multi-valued	recommended	Use for middle name or middle initial(s)
inetOrgPerson	sn	multi-valued	required	Last name, multivalued so it may include variants of last name
inetOrgPerson	cn	multi-valued	recommended	Full name ²
HPDProvider	hpdProviderLanguageSupported	multi-valued	recommended	Value set defined in RFC 2068

¹ Per HPD, the use of this attribute is established by implementation guidance. CTEN uses NPI for this attribute.

² Specially recommended for names that do not conform to the Western standards supported by HPD.

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Object	Attribute	Multiplicity	Optionality	Guidance
Natural Person	gender	single-valued	recommended	Value set defined in RFC 2985
inetOrgPerson	physicalDeliveryOfficeName	multi-valued	required	Facility name(s) as known to Postal Service
HCPersonal	hcPracticeLocation	multi-valued	required	DN to organization object(s)
inetOrgPerson	telephoneNumber	multi-valued	required	Not required if organization phone number should be used for individual
HCPersonal	hcSpecialisation	multi-valued	required if known	Use Taxonomy rather than values defined by ISO 21298 as specified in HPD
HPDProvider	memberOf	multi-valued	required	DN to relationship object(s)
HPDProvider	hpdHasAService	multi-valued	required if known	DN to services object(s) for individual
	createTimestamp	single-valued	required	Operational attribute of LDAP, required even if not implemented via LDAP
	modifyTimestamp	single-valued	required	Operational attribute of LDAP, required even if not implemented via LDAP
uidObject	uid	single-valued	required	Unique RDN for organization, required even if not implemented via LDAP

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Object	Attribute	Multiplicity	Optionality	Guidance
HRegulatedOrganization	hcIdentifier	multi-valued	required if known	Must be an organizational NPI ¹
Organization	O	multi-valued	required if known	Aliases or other known names of organization
HRegulatedOrganization	hcRegisteredName	multi-valued	required	Proper or legal name, including parent organization if applicable
HPDProvider	hpdProviderPracticeAddress	multi-valued	required	
Organization	telephoneNumber	multi-valued	required	
HPDProvider	memberOf	multi-valued	required if any exist	DN to relationship object(s) if there are individuals or orgs related to this org
HPDProvider	hpdHasAService	multi-valued	required if known	DN to services object(s) for organization
	createTimestamp	single-valued	required	Operational attribute of LDAP, required even if not implemented via LDAP
	modifyTimestamp	single-valued	required	Operational attribute of LDAP, required even if not implemented via LDAP
HPDProviderMembership	hpdMemberId	single-valued	required	Unique RDN for member relationship, required even if not implemented via LDAP

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Object	Attribute	Multiplicity	Optionality	Guidance
HPDProviderMembership	hpdHasAProvider	single-valued	required	DN of individual
HPDProviderMembership	hpdHasAnOrg	single-valued	required	DN of organization
HPDProviderMembership	hpdHasAService	multi-valued	required if known	DN to services object(s) associated with member relationship
HPDElectronicService	hpdServiceId	single-valued	required	Unique RDN of service, required even if not implemented via LDAP
HPDElectronicService	hpdServiceAddress	single-valued	required	URI, Direct address, etc.
HPDElectronicService	hpdIntegrationProfile	multi-valued	required	Service description ³

³ HPD does not specify a vocabulary for this attribute. Until IHE establishes an implementation guide, CTEN will use: Direct, PatientDiscovery, QueryForDocuments, RetrieveDocuments, and DirectoryService for the services supported on CTEN. Additional values may be added as services are added to CTEN.

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IV. References

- *IHE IT Infrastructure Technical Framework Supplement: Healthcare Provider Directory (HPD) Trial Implementation v1.5*, dated October 13, 2014

V. Related Policies or Procedures

- CTEN Exchange Policies and Procedure EPP-6

VI. Version History

	Date	Author	Comment
1.0	9/1/2015	Rim Cothren	Initial release.